

Supplemental Table 2: Functionality of artificial microRNAs in different backbones and under different promoters.

amiRNA	Promoter	Backbone	T1 analyzed	Phenotypic penetrance	Phenotype in panel
amiR-lfy-1	p35S	MIR172a	>200	~80%	Fig. 3A
amiR-lfy-1	pLFY	MIR172a	>200	~15%	Fig. 5D1
amiR-lfy-2	p35S	MIR172a	>200	0	-
amiR-lfy-2	p35S	MIR319a	>200	~20%	-
amiR-white-1	p35S	MIR172a	>100	>90%	Fig. 3B
amiR-white-1	p35S	MIR319a	>100	>95%	-
amiR-white-1	pML1	MIR319a	>100	~50%	Fig. 5E
amiR-white-1	pAP1	MIR319a	>100	~60%	Fig. 5C
amiR-white-1	pAlc	MIR319a	6	66%	Fig. 5A
amiR-white-2	p35S	MIR172a	>100	>80%	-
amiR-ft-1	p35S	MIR319a	40	>95%	-
amiR-ft-2	p35S	MIR172a	40	>95%	Fig. 3C
amiR-ft-2	p35S	MIR319a	40	>95%	-
amiR-trichome	p35S	MIR319a	>100	~30% <i>try cpc</i> double type < 5% <i>try cpc</i> <i>etc2</i> triple type	Fig. 3D
amiR-trichome	pAlc	MIR319a	6	33%	Fig. 5B
amiR-mads-1	p35S	MIR172a	>200	>90%	Fig. 3F
amiR-mads-2	p35S	MIR319a	>200	>95%	Fig. 3E
amiR-mads-2	pAP1	MIR319a	>200	>70%	Fig. 5D3
amiR-mads-2	pAG	MIR319a	>200	<10%	Fig. 5D2
amiR-yabby-1	p35S	MIR172a	>200	>40%	Fig. 3G
amiR-yabby-2	p35S	MIR319a	>200	~20%	Fig. 3H